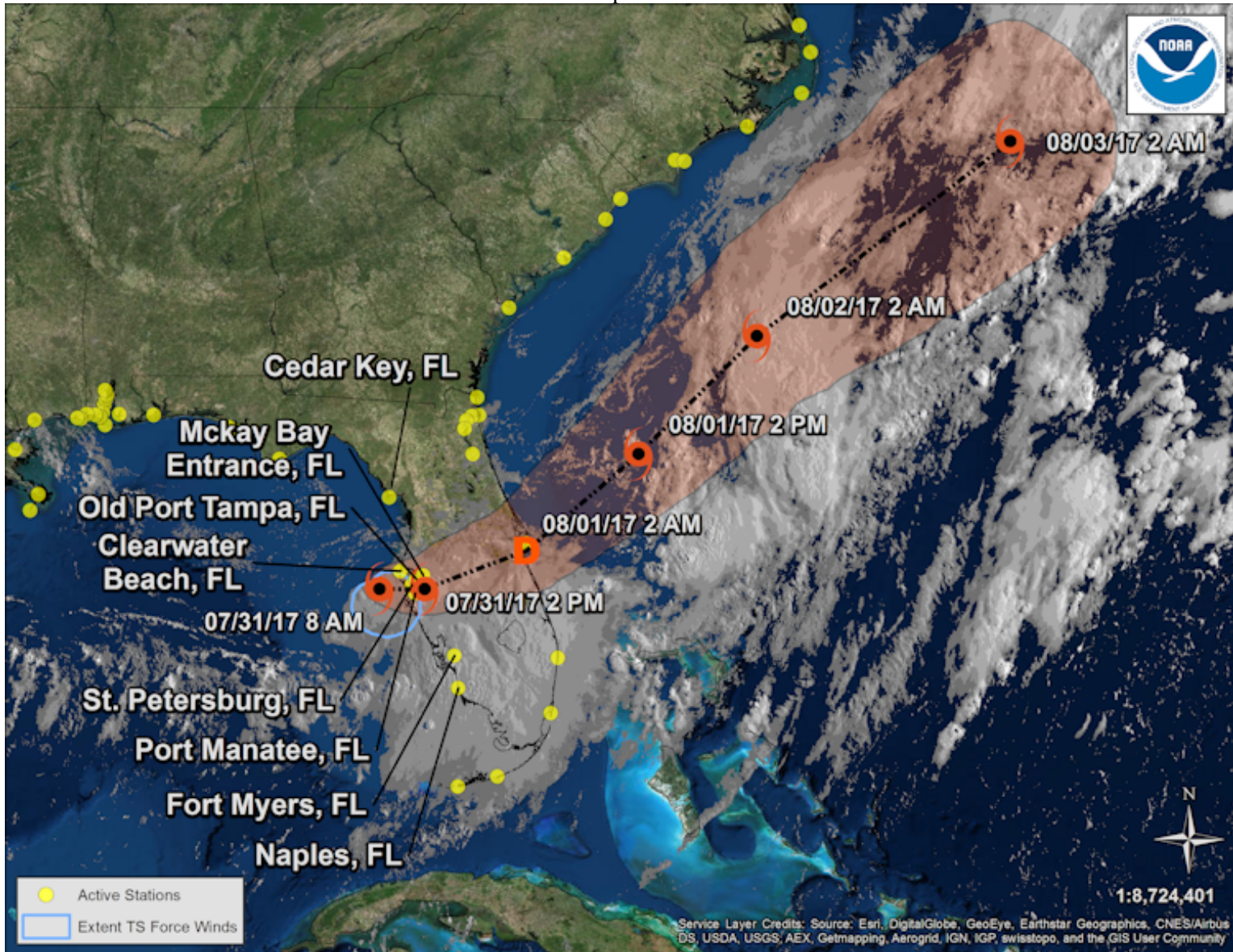




Tropical Storm EMILY QuickLook Posted: 09:00 EDT 07/31/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/31/2017 9:00 EDT, water levels along the western coast of Florida are slightly elevated and range between 0.25 and 1.55 ft above normal tide levels. Winds are steady, ranging between 5 and 15 knots. Wind gusts up to 40 knots have been observed at Naples, FL. Barometric pressure is following the normal diurnal pattern across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:TROPICAL STORM EMILY
SPECIAL ADVISORY NUMBER 2
NWS NATIONAL HURRICANE CENTER MIAMI FL
800 AM EDT MON JUL 31 2017

...DEPRESSION BECOMES A TROPICAL STORM WEST OF TAMPA BAY...
...TROPICAL STORM WARNING ISSUED FOR WEST-CENTRAL FLORIDA...

WATCHES AND WARNINGS

----- CHANGES WITH THIS ADVISORY:

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR THE WEST COAST OF FLORIDA FROM
ANCLOTE RIVER SOUTHWARD TO BONITA BEACH.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A TROPICAL STORM WARNING IS IN EFFECT FOR...
* ANCLOTE RIVER TO BONITA BEACH FLORIDA

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE LIKELY WITHIN
THE WARNING AREA, IN THIS CASE WITHIN THE NEXT FEW HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA, INCLUDING POSSIBLE INLAND WATCHES
AND WARNINGS, PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER
SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 800 AM EDT, THE CENTER OF TROPICAL STORM EMILY WAS LOCATED ABOUT 45 MI WSW OF
TAMPA FLORIDA. EMILY IS MOVING TOWARD THE EAST NEAR 8 MPH, AND THIS GENERAL
MOTION IS EXPECTED TO CONTINUE TODAY. A TURN TOWARD THE NORTHEAST AND AN
INCREASE IN FORWARD SPEED ARE EXPECTED TONIGHT OR TUESDAY. ON THE FORECAST TRACK,
THE CENTER OF EMILY IS EXPECTED TO MOVE INLAND OVER THE THE WEST-CENTRAL FLORIDA
PENINSULA LATER TODAY AND MOVE ACROSS CENTRAL FLORIDA THROUGH TONIGHT. EMILY IS
EXPECTED TO MOVE OFFSHORE OF THE EAST-CENTRAL FLORIDA COAST EARLY TUESDAY.

NOAA DOPPLER RADAR DATA FROM TAMPA, FLORIDA, INDICATE THAT MAXIMUM SUSTAINED
WINDS HAVE INCREASED TO NEAR 45 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS
FORECAST UNTIL LANDFALL OCCURS THIS AFTERNOON. EMILY IS EXPECTED TO WEAKEN TO A
TROPICAL DEPRESSION WHILE IT MOVES ACROSS THE FLORIDA PENINSULA TONIGHT.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1006 MB.

HAZARDS AFFECTING LAND

RAINFALL: EMILY IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 2 TO 4 INCHES THROUGH MONDAY NIGHT ALONG THE WEST COAST OF CENTRAL FLORIDA BETWEEN THE TAMPA BAY AREA AND NAPLES, WITH ISOLATED AMOUNTS UP TO 8 INCHES POSSIBLE. ELSEWHERE ACROSS CENTRAL AND SOUTH FLORIDA, 1 TO 2 INCHES OF RAIN IS EXPECTED WITH LOCALIZED AMOUNTS OF UP TO 4 INCHES POSSIBLE.

WIND: TROPICAL STORM CONDITIONS ARE LIKELY WITHIN THE WARNING AREA THROUGH THIS AFTERNOON.

NEXT ADVISORY

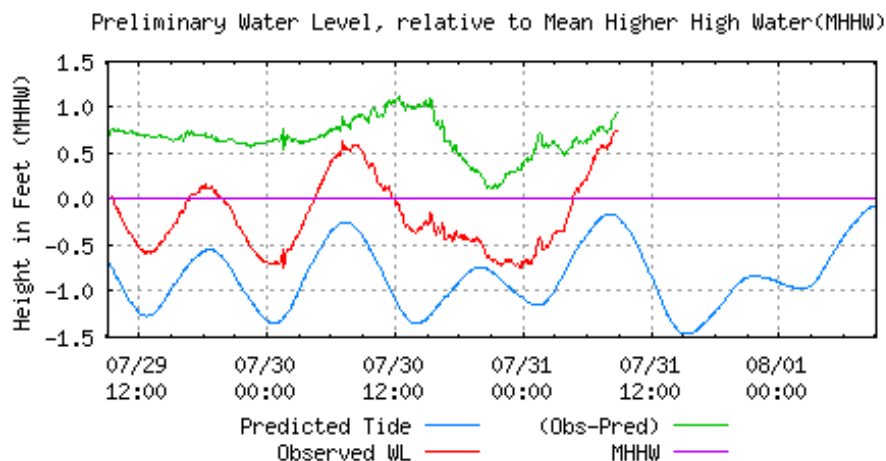
NEXT COMPLETE ADVISORY AT 1100 AM EDT.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Port Manatee - Water Level](#), [Port Manatee - Barometric](#), [St Petersburg, Tampa Bay - Water Level](#), [St Petersburg, Tampa Bay - Winds](#), [St Petersburg, Tampa Bay - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Old Port Tampa - Barometric](#), [Mckay Bay Entrance - Water Level](#), [Clearwater Beach - Water Level](#), [Clearwater Beach - Winds](#), [Clearwater Beach - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#)

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL



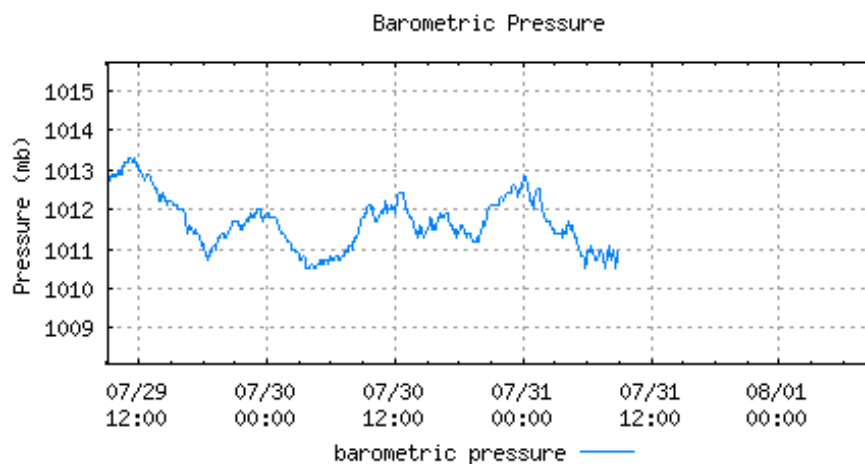
Last Observed Sample: 07/31/2017 08:54 (EDT). Data relative to MHHW

Observed: 0.76 ft. Predicted: -0.19 ft. Residual: 0.95 ft.

Historical Maximum Water Level: Sep 6 2004, 2.29 ft.

Next High Tide: 07/31/2017 21:41 (EDT), -0.83 ft.

NOAA/NOS/CO-OPS 8726384 Port Manatee, FL

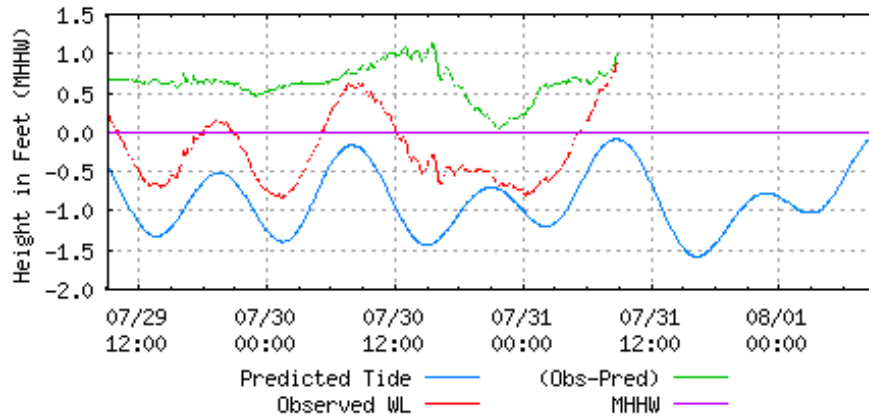


Last Observed Sample: 07/31/2017 08:54 (EDT)

Barometric Pressure: 1010.9 mb

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 07/31/2017 08:48 (EDT). Data relative to MHHW

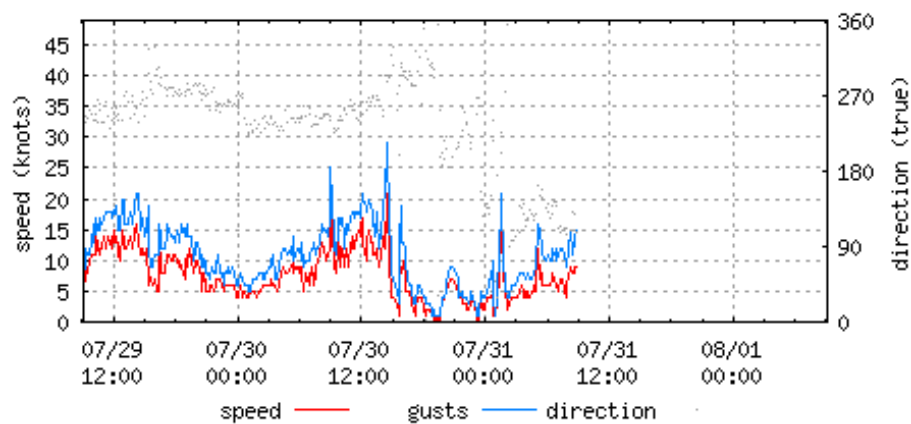
Observed: 0.88 ft. Predicted: -0.09 ft. Residual: 0.97 ft.

Historical Maximum Water Level: Aug 31 1985, 4.00 ft.

Next High Tide: 07/31/2017 22:49 (EDT), -0.78 ft.

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL

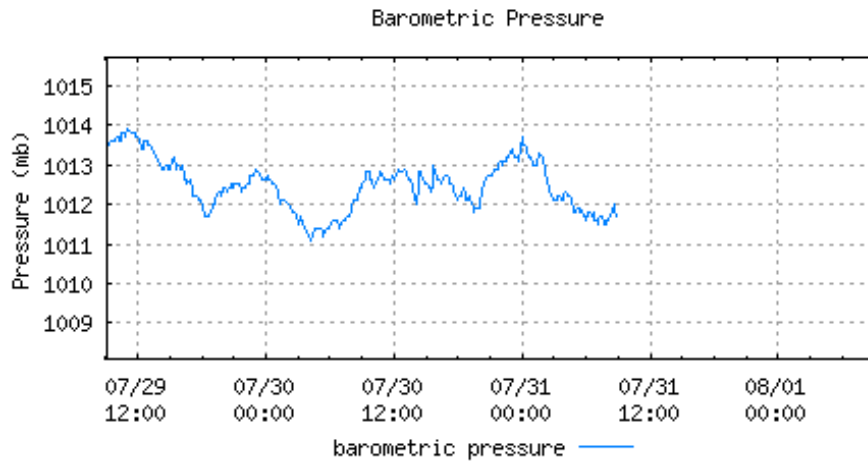
Wind Speed / Gusts / Direction



Last Observed Sample: 07/31/2017 08:48 (EDT)

Wind Speed: 9 knots Gusts: 15 knots Direction: 108° T

NOAA/NOS/CO-OPS 8726520 St Petersburg, Tampa Bay, FL



Last Observed Sample: 07/31/2017 08:48 (EDT)

Barometric Pressure: 1011.7 mb

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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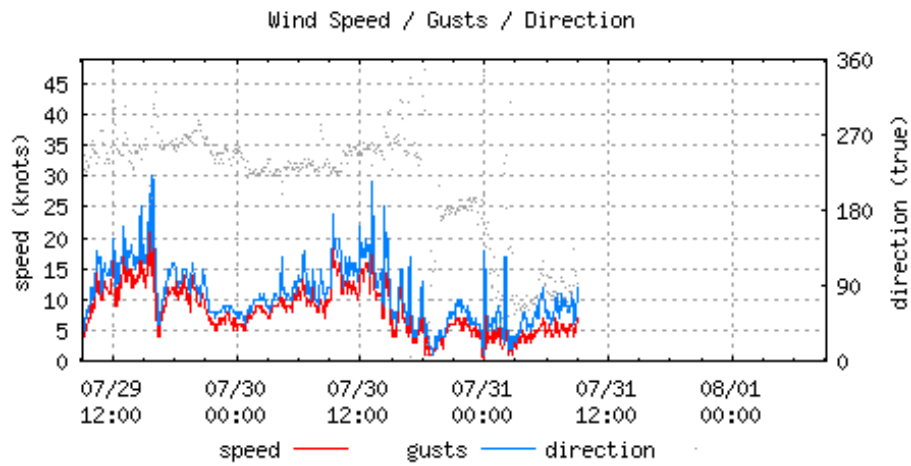
Last Observed Sample: 07/31/2017 09:00 (EDT). Data relative to MHHW

Observed: 0.70 ft. Predicted: -0.08 ft. Residual: 0.78 ft.

Historical Maximum Water Level: Oct 8 1996, 3.60 ft.

Next High Tide: 07/31/2017 09:18 (EDT), -0.08 ft.

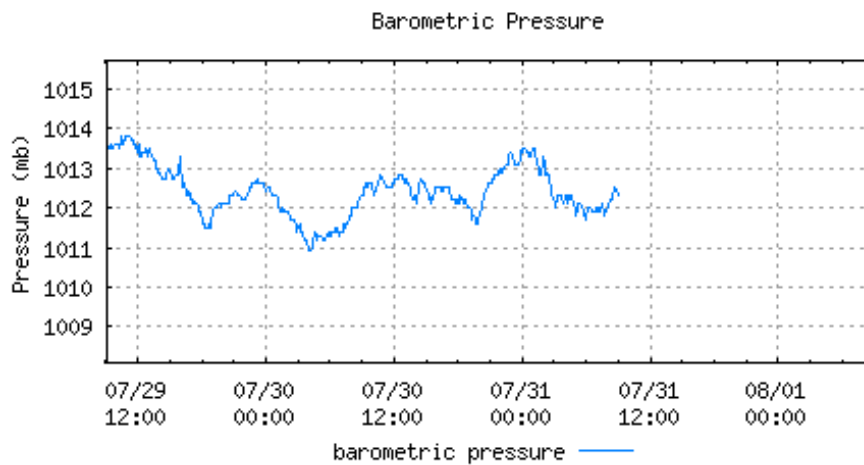
NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL



Last Observed Sample: 07/31/2017 09:00 (EDT)

Wind Speed: 7 knots Gusts: 12 knots Direction: 93° T

NOAA/NOS/CO-OPS 8726607 Old Port Tampa, FL

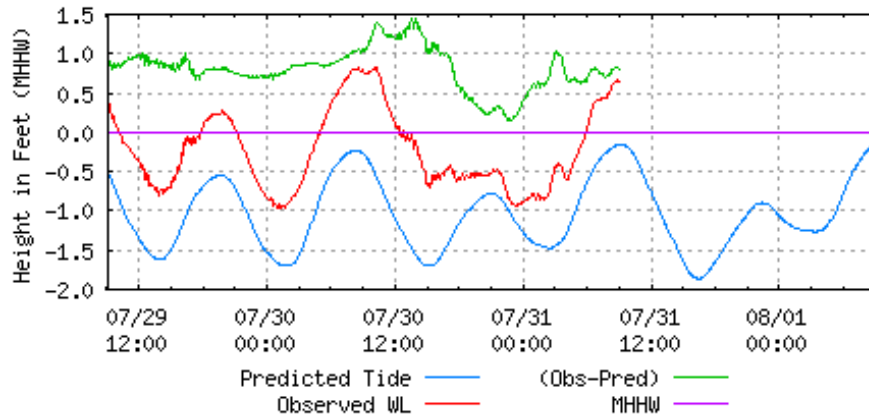


Last Observed Sample: 07/31/2017 09:00 (EDT)

Barometric Pressure: 1012.3 mb

NOAA/NOS/CO-OPS 8726667 Mckay Bay Entrance, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 07/31/2017 09:00 (EDT). Data relative to MHHW

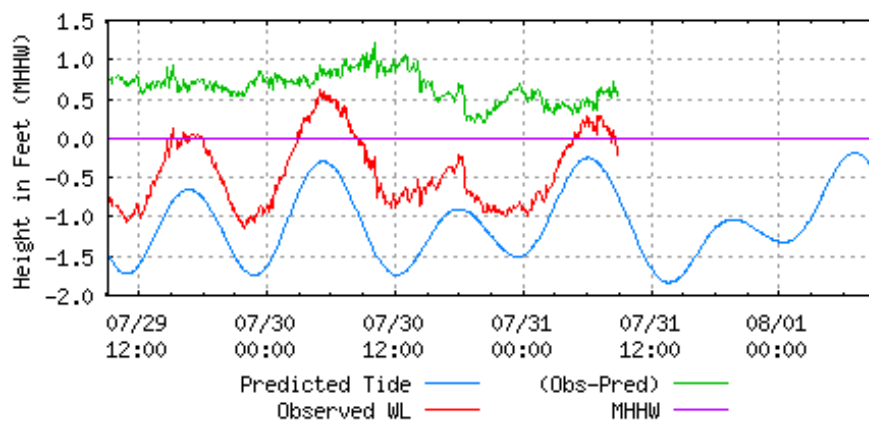
Observed: 0.64 ft. Predicted: -0.16 ft. Residual: 0.80 ft.

Historical Maximum Water Level: Oct 8 1996, 4.32 ft.

Next High Tide: 07/31/2017 09:09 (EDT), -0.16 ft.

NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



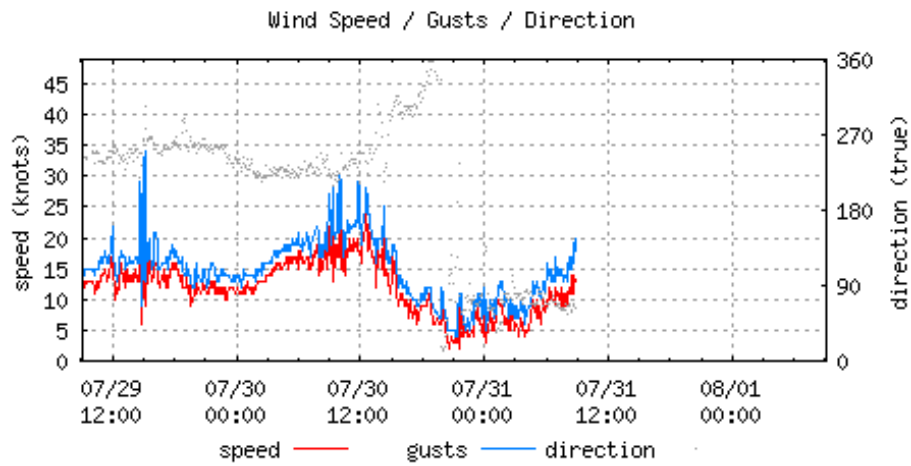
Last Observed Sample: 07/31/2017 08:54 (EDT). Data relative to MHHW

Observed: -0.20 ft. Predicted: -0.74 ft. Residual: 0.54 ft.

Historical Maximum Water Level: Mar 13 1993, 4.00 ft.

Next High Tide: 07/31/2017 19:39 (EDT), -1.03 ft.

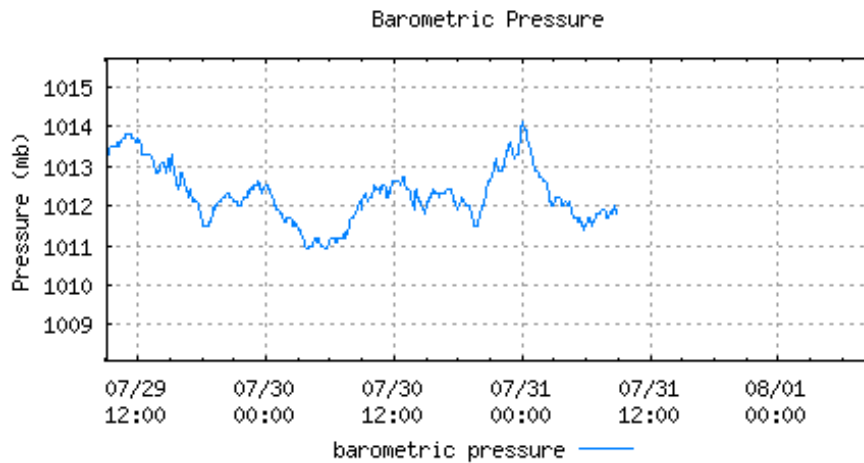
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 07/31/2017 08:54 (EDT)

Wind Speed: 13 knots Gusts: 18 knots Direction: 64° T

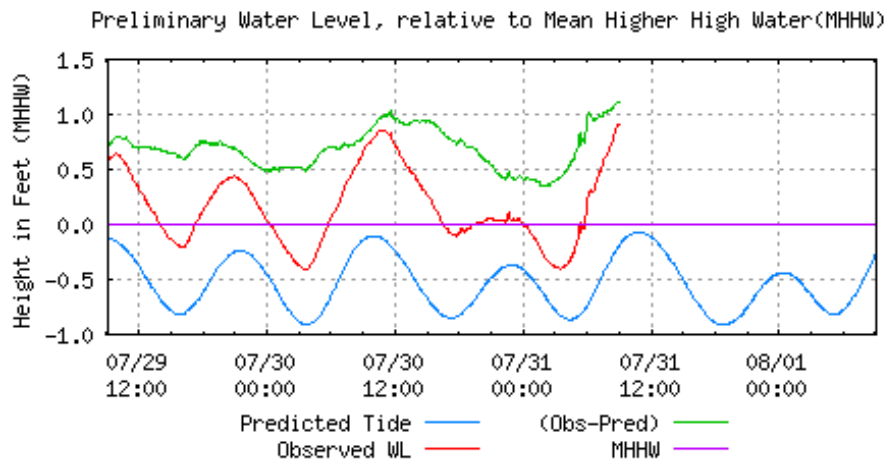
NOAA/NOS/CO-OPS 8726724 Clearwater Beach, FL



Last Observed Sample: 07/31/2017 08:54 (EDT)

Barometric Pressure: 1011.8 mb

NOAA/NOS/CO-OPS 8725520 Fort Myers, FL



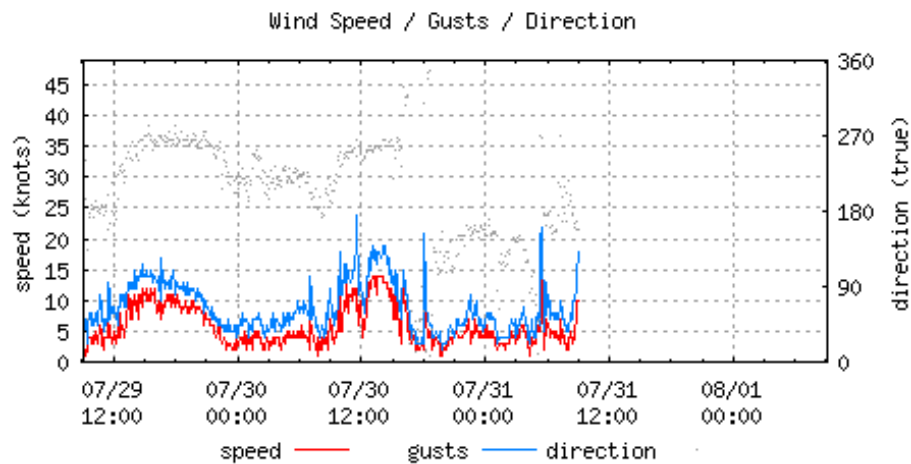
Last Observed Sample: 07/31/2017 09:00 (EDT). Data relative to MHHW

Observed: 0.91 ft. Predicted: -0.20 ft. Residual: 1.11 ft.

Historical Maximum Water Level: Nov 23 1988, 3.41 ft.

Next High Tide: 07/31/2017 10:49 (EDT), -0.07 ft.

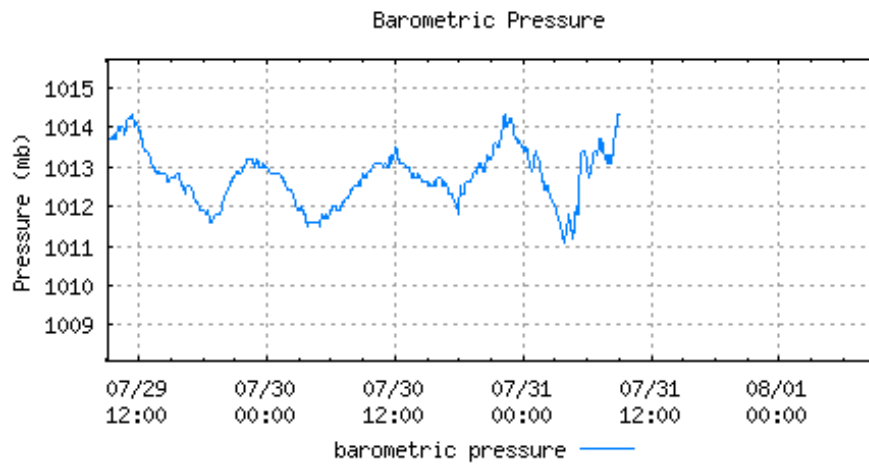
NOAA/NOS/CO-OPS 8725520 Fort Myers, FL



Last Observed Sample: 07/31/2017 09:00 (EDT)

Wind Speed: 10 knots Gusts: 18 knots Direction: 159° T

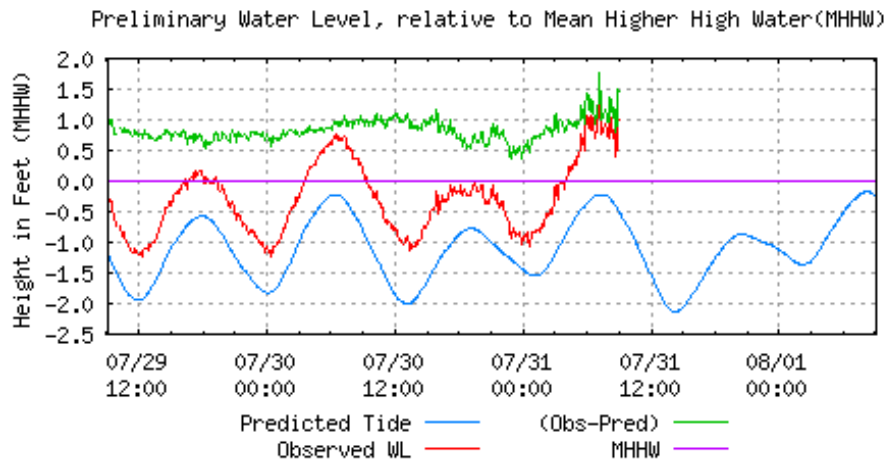
NOAA/NOS/CO-OPS 8725520 Fort Myers, FL



Last Observed Sample: 07/31/2017 09:00 (EDT)

Barometric Pressure: 1014.3 mb

NOAA/NOS/CO-OPS 8725110 Naples, FL



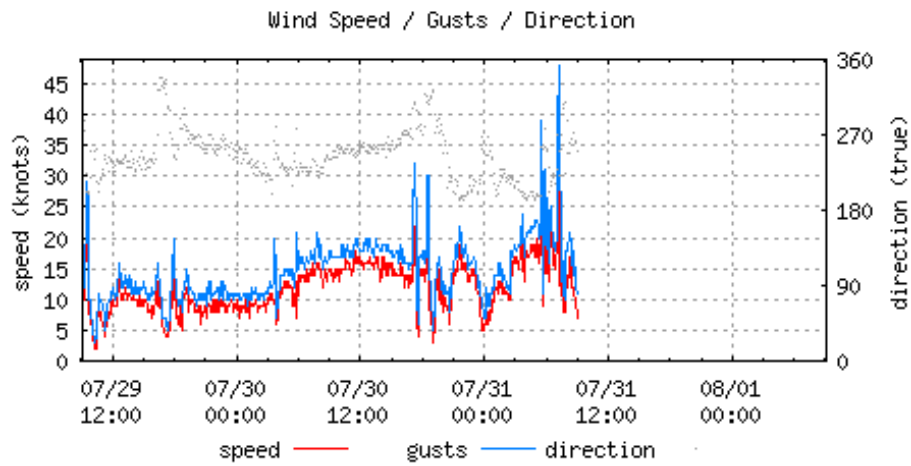
Last Observed Sample: 07/31/2017 09:00 (EDT). Data relative to MHHW

Observed: 0.99 ft. Predicted: -0.49 ft. Residual: 1.48 ft.

Historical Maximum Water Level: Dec 21 1972, 3.11 ft.

Next High Tide: 07/31/2017 20:29 (EDT), -0.87 ft.

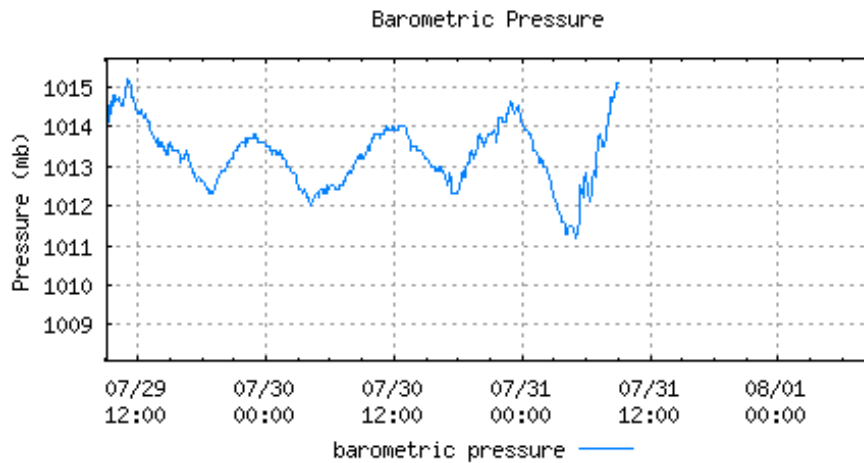
NOAA/NOS/CO-OPS 8725110 Naples, FL



Last Observed Sample: 07/31/2017 09:00 (EDT)

Wind Speed: 7 knots Gusts: 11 knots Direction: 251° T

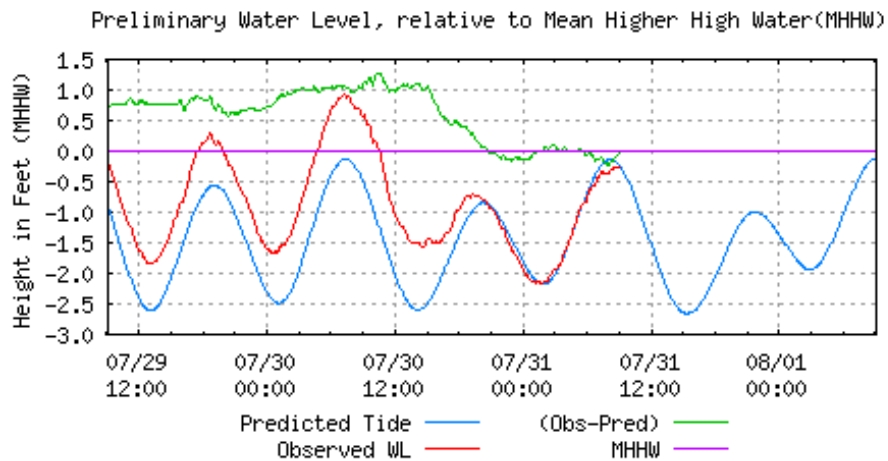
NOAA/NOS/CO-OPS 8725110 Naples, FL



Last Observed Sample: 07/31/2017 09:00 (EDT)

Barometric Pressure: 1015.1 mb

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



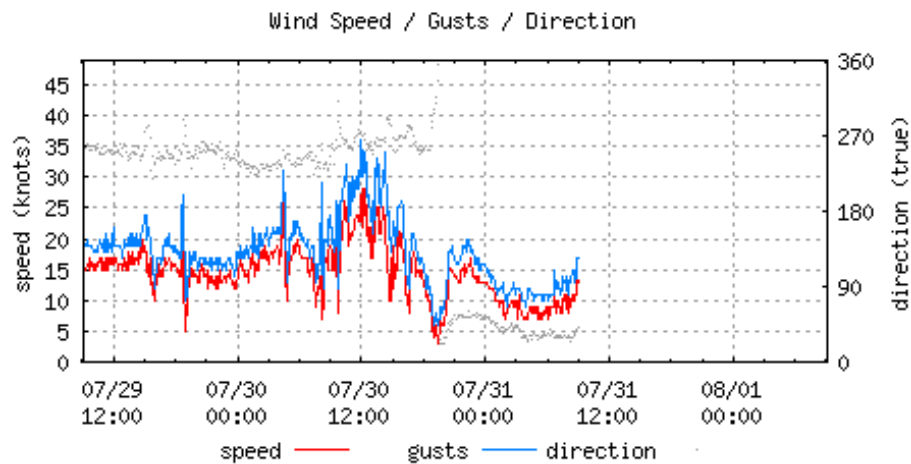
Last Observed Sample: 07/31/2017 09:00 (EDT). Data relative to MHHW

Observed: -0.27 ft. Predicted: -0.23 ft. Residual: -0.04 ft.

Historical Maximum Water Level: Oct 7 1996, 5.15 ft.

Next High Tide: 07/31/2017 21:41 (EDT), -0.99 ft.

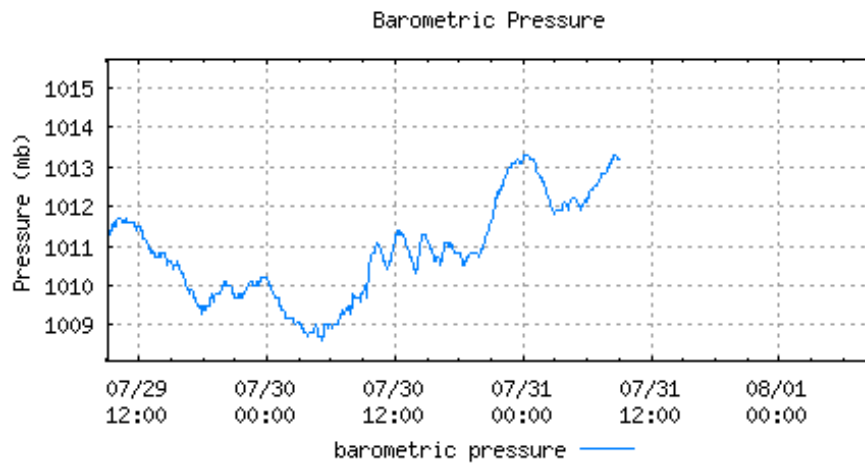
NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 07/31/2017 09:00 (EDT)

Wind Speed: 13 knots Gusts: 17 knots Direction: 41° T

NOAA/NOS/CO-OPS 8727520 Cedar Key, FL



Last Observed Sample: 07/31/2017 09:00 (EDT)

Barometric Pressure: 1013.2 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8726384	Port Manatee, FL	07/31/2017 08:54 (EDT)	0.76 ft	-0.19 ft	0.95 ft	0.76 ft
8726520	St Petersburg, Tampa Bay, FL	07/31/2017 08:48 (EDT)	0.88 ft	-0.09 ft	0.97 ft	0.88 ft
8726607	Old Port Tampa, FL	07/31/2017 09:00 (EDT)	0.70 ft	-0.08 ft	0.78 ft	0.74 ft
8726667	Mckay Bay Entrance, FL	07/31/2017 09:00 (EDT)	0.64 ft	-0.16 ft	0.80 ft	0.82 ft
8726724	Clearwater Beach, FL	07/31/2017 08:54 (EDT)	-0.20 ft	-0.74 ft	0.54 ft	0.28 ft
8725520	Fort Myers, FL	07/31/2017 09:00 (EDT)	0.91 ft	-0.20 ft	1.11 ft	0.91 ft
8725110	Naples, FL	07/31/2017 09:00 (EDT)	0.99 ft	-0.49 ft	1.48 ft	1.54 ft
8727520	Cedar Key, FL	07/31/2017 09:00 (EDT)	-0.27 ft	-0.23 ft	-0.04 ft	0.59 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce